#### **Marine Life Protection Act Initiative**



Draft Summary of Potential Impacts of External Proposed MPA Arrays on Commercial, CPFV and Recreational Fisheries

Presentation to the MLPA Master Plan Science Advisory Team
March 17, 2010 • Eureka, CA

Dr. Astrid Scholz, Ecotrust • MLPA Master Plan Science Advisory Team



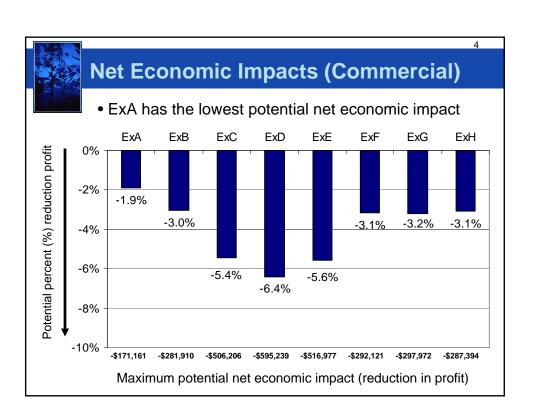
### **Evaluation Overview**

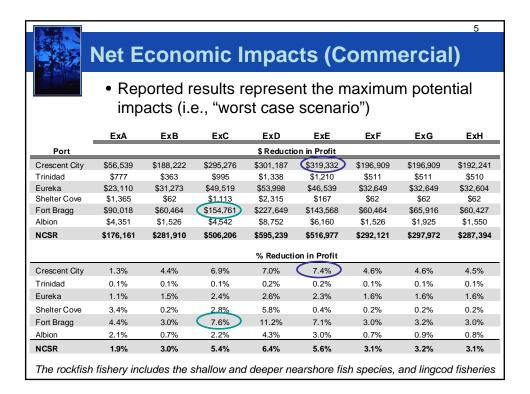
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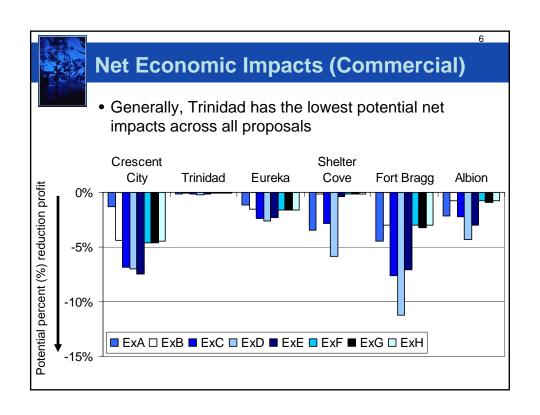
- Based on the aggregate fishing grounds and cost estimates derived from the data collection effort:
  - Determine percentage of area and value affected
  - Evaluate the maximum potential economic impact (gross and net)
  - Consider or identify "outliers" i.e., fishermen or fisheries likely to experience disproportional impacts
- Focus is on the fisheries, and not on regional multipliers of economic impact
- Tribal uses not considered in this evaluation and pending further guidance from the MLPA Blue Ribbon Task Force and MLPA Initiative staff

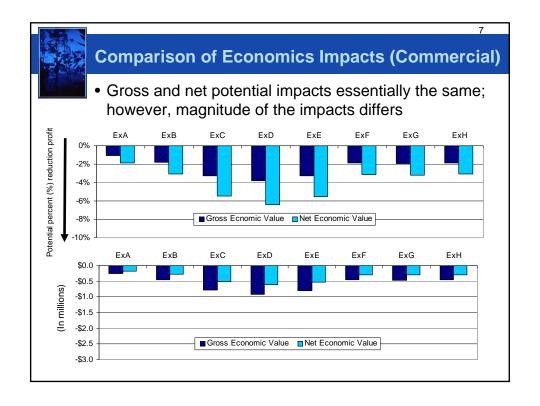
Disproportionate impacts on fisheries

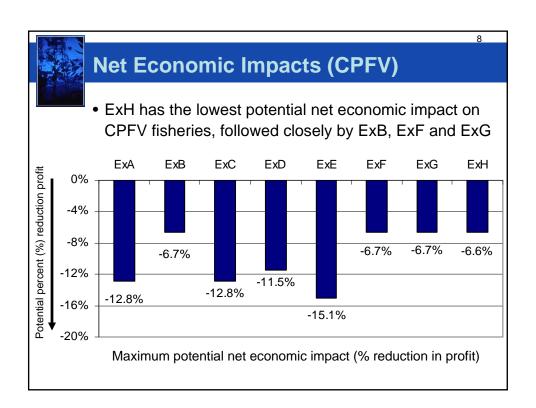
Disproportionate impacts on individuals

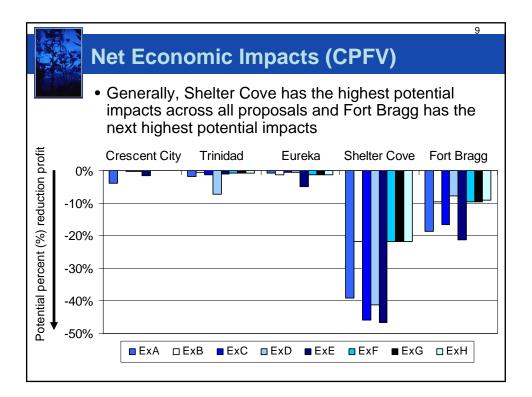














## **Additional Analyses and Next Steps**

- Incorporate updates to the data collection methods and summary statistics report
  - -Mariculture
  - Available to the MLPA North Coast Regional Stakeholder Group (NCRSG) by March 24-25 meeting
- Finalize Round 1 evaluation
  - Results to be presented at the next NCRSG meeting
- Evaluation reports incorporated into MarineMap



## **Disproportionate Impacts Summary**

Commercial port-fishery combinations disproportionately impacted

Estimated Impact on Stated Value of Total Fishing

Port	Fishery	MPA Proposal(s)	Grounds
Crescent City	Rockfish	ExE	23.0%
Crescent City	Seaweed	ExE	8.8%
Fort Bragg	Dungeness crab	ExC, ExD	6.6%, 12.2%
Fort Bragg	Urchin	ExD, ExE	12.0%, 9.2%
Shelter Cove	Salmon	ExD	5.1%
Trinidad	Salmon	ExD	5.2%



# **Disproportionate Impacts Summary**

 Commercial passenger fishing vessel (CPFV) portfishery combinations disproportionately impacted

Estimated Impact on Stated Value of Total

Port	Fishery	MPA Proposal(s)	Fishing Grounds
Eureka	Rockfish/Bottomfish	ExE	13.7%
Fort Bragg	Dungeness crab	ExA, ExB, ExC, ExE, ExF, ExG, ExH	16.3%, 9.0%, 16.7%, 17.3%, 9.0%, 9.0%, 9.0%
Fort Bragg	Salmon	ExC, ExE	13.3%, 15.5%
Fort Bragg	Rockfish/Bottomfish	ExA, ExD, ExE	15.5%, 13.6%, 15.2%
Shelter Cove*	Pacific Halibut	ExA, ExB, ExC, ExD, ExE, ExF, ExG, ExH	78.0%, 49.2%, 97.7%, 78.0%, 97.7%, 49.2%, 49.2%, 49.2%
Trinidad	Rockfish/Bottomfish	FxD	11.8%